

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) ~~System~~ A system for identifying a person, comprising:

means for detecting a pressure distribution of pressures, pattern which represents a distribution of pressure per unit area exerted by at least one foot of the person on a surface,

means for storing data ~~of a number~~ for each of a plurality of persons, said data comprising a detected pressure distribution pattern and an associated person identification code, and

means for comparing a detected pressure distribution pattern with stored pressure distribution patterns ~~until a match of pressure distribution patterns is found~~ to find a stored pressure distribution pattern, if any, that matches the detected pressure distribution pattern.

2. (Currently amended) ~~System~~ The system according to claim 1, wherein the ~~pressure distribution~~ detecting means ~~comprise~~

comprises a matrix sensor.

3. (Currently amended) ~~System~~ The system according to claim 1 wherein said surface comprises a platform ~~for receiving upon which~~ a person can stand with at least one foot of the person, and wherein the ~~pressure distribution detecting means comprising a~~ comprises a pressure detector layer implemented in the platform.

4. (Currently amended) ~~System~~ The system according to claim 1, wherein the ~~pressure distribution detecting means comprise~~ comprises a matrix of electrical contacts, with a rubber having a pressure-dependent conductivity being placed between these the contacts.

5. (Currently amended) ~~System~~ The system according to claim 1, wherein the means for storing ~~detected pressure distribution patterns comprise a processor having data~~ comprises a storage medium.

6. (Currently amended) ~~System~~ The system according to claim 5, wherein the processor further comprises a comparator for comparing

a detected pressure distribution pattern ~~(A)~~ with the stored pressure distribution patterns ~~(A,B,C)~~.

7. (Currently amended) ~~System~~ The system according to claim 1, wherein ~~it comprises a~~ the system is implemented with a weighing device for identifying a user of ~~a~~ the weighing device.

8. (Currently amended) A method of identifying a person, wherein said method comprises the ~~steps~~ acts of:

detecting a pressure distribution of ~~pressures~~, pattern of pressures, which represents a distribution of pressure per unit area exerted by at least one foot of the person on a surface,

storing data ~~of a number~~ for each of a plurality of persons, said data comprising a detected pressure distribution pattern and an associated person identification code, and

comparing a detected pressure distribution pattern with stored pressure distribution patterns ~~until a match of pressure distribution patterns is found~~ to find a stored pressure distribution pattern, if any, that matches the detected pressure distribution pattern.

9. (Currently amended) A The method as claimed in claim 8, wherein said method is ~~a method of identifying~~ implemented to identify a user of a weighing device.

10. (Withdrawn) A system for identifying a person, comprising:

a weighing device adapted to detect a distribution of pressures exerted by at least one foot of the person on a surface;

a storage medium operative to store data of a number of persons, wherein the data comprise stored pressure distribution patterns and associated person identification codes; and

a processor adapted to compare a detected pressure distribution pattern with the stored pressure distribution patterns until a match of pressure distribution patterns is found.

11. (Withdrawn) A system as claimed in claim 10, wherein the weighing device further comprises a matrix sensor.

12. (Withdrawn) A system according to claim 11, wherein the surface comprises a platform adapted to receive at least one foot of the person, and the matrix sensor comprises a layer implemented in the platform.

13. (Withdrawn) A system according to claim 11, wherein the matrix sensor comprises a matrix of electrical contacts, and a layer having a pressure-dependent conductivity disposed between the contacts.

14. (Withdrawn) A system according to claim 10, wherein the processor further comprises a comparator.

15. (Withdrawn) A method of identifying a person, the method comprising:

detecting a distribution of pressures, exerted by at least one foot of the person on a surface, storing data of a number of persons, wherein the data comprises a detected pressure distribution pattern and an associated person identification code, and comparing the detected pressure distribution pattern with stored pressure distribution patterns, until a match of pressure distribution patterns is found.

16. (Currently amended) A method as claimed in claim 8, wherein the method further comprises identifying a user of a weighing

device.

17. (New) The method as claimed in claim 8, further comprising an act of identifying the person according to a person identification code associated with a stored pressure distribution pattern that is found to match the detected pressure distribution pattern of the person.

18. (New) The method as claimed in claim 8, further comprising an act of determining a weight of the person based on the detected pressure distribution pattern of the person.

19. (New) The system as claimed in claim 1, further comprising means for identifying the person according to a person identification code associated with a stored pressure distribution pattern that is found to match the detected pressure distribution pattern of the person.

20. (New) The system as claimed in claim 1, further comprising means for determining a weight of the person based on the detected pressure distribution pattern of the person.